The

8086 - 8111

NOTE BOOK

No. 35

WESTAB

5¢

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Property of
Arthur Cronquist
New York Botanical Garden
Bronx Park
New York 58, N.Y.

Please return.

U.563

8086 - August 7, 1955
Moist soil - pockets among
rocks along Quad Creek,
just under the rim of
the Beartooth Mts., 23
miles southwest of Red
Lodge, Carbon Co., Mont.,
Twp. 9 S., R. 19 E., S. 19,
Elev. about 9500 feet.
F. conversubita

~~Astragalus tegetariusvats.~~

Saxifraga rivularis L.

✓

Saxifraga - white (2)

8087 - August 7, 1955

Same place as 8086, ✓
Petals 5, white,

Claytonia megarhiza (Gray)
Parry

Claytonia white (1)

8088 - August 7, 1955

Rocky places at foot of coarse talus slope and less well developed on the talus itself, along Quad Creek just under the rim of the Beartooth Mts., 23 miles southwest of Red Lodge, Carbon Co., Mont. Twp. 9 S., R. 19 E., S. 19-20. Elev. about 9500 feet. Flowers deep pink to nearly white.

Chaenactis alpina (Gray) Jones

Chaenactis alpina (35)

5089 - August 7, 1955

On coarse talus overlooking Quad Creek from the northeast. 23 miles southwest of Red Lodge, Carbon Co., Mont. T. 7 S., R. 19 E., S. 19-20. Elev. about 9500 feet. F. corners purple.

Saxifraga oppositifolia L.

Saxifrage - purple (3)

5090 - August 7, 1955

Same place as 5089. Stems solitary or several from a taproot and simple or branched caudex. F. flowers rather light pink-purple to nearly white.

Cirsium polyphyllum
(Rydb.) Petr.

Thistle (5)

8091 - August 7, 1955. Same
place as 8089. Perennial
with a taproot and more
or less branched caudex.
Stems prostrate or nearly
so except for the often
slightly assurgent ~~tips~~
tips. Flowers dull
purplish.

Phacelia hastata Dougl.
var. alpina (Rydb.) Cronq.

Phacelia h. alpina (23)

8092 - August 7, 1955

Same place as 8089.
Plants mat-forming,
but with a central
cluster of fibrous roots.
Herbage strongly
glandular throughout.
Plants evidently sex-
ual, the staminate and
pistillate individuals
about equally common.

Antennaria umbrinella Rydb.
unusual form

✓

Antennaria aff. alpina (31)

5793-August 7, 1955
Same plant as 8088.
Perennial from a long
taproot and branched
caudex, strongly
aromatic and glandular-
viscid. Rays yellow,
mostly 31-51, often
42,

Hulsea algida Gray

US ~~[illegible]~~
Hulsea algida (17)

August 8, 1957

In shade of coniferous (mostly lodgepole pine) woods in bottoms along Rock Creek, 1 1/3 miles (just above W.F. Rock Creek) southwest of Red Lodge, Carbon Co., Mont., Twp. 9S., R. 19E., S. 7. Elev. about 7200 feet. Plants vigorously rhizomatous. Pods weakly inflated.

Astragalus frigidus (L.) Gray var. americanus (Hook.) Wats.

Astragalus (10)

8095 - August 8, 1955

Loose, rocky banks along Rock Creek near Wyoming Creek, 13 miles southwest of Red Lodge, Carbon Co., Mont. Twp. 9 S., R. 19 E., S. 8. Elev. about 7200 feet. Rays violet-purple.

Aster sibiricus L.
var. meritus (Ckll.) Nels.

Aster sibiricus

D° August 8, 1907

Open mountainside along Rock Creek, just below Wyoming Creek, 13 miles Southeast of Red Lodge, Carbon Co. Mont. T. 7 S. R 19 E., S. 8. Elev. about 7200 feet. Plants perennial, caespitose, generally with a more or less branched caudex.

Artemisia campestris L. ssp borealis (Pall.) Hall & Clem. var. scopulorum (Eat.) Piper.

Artemisia c. borealis

8097 - August 9, 1955

Moist meadow land along small lake on one fork of Rock Creek, about 2½ miles northeast of Glacier Lake, about 23 miles southwest of Red Lodge, Carbon Co., Mont. Twp. 9 S., R. 18 E., about S. 27. Elev. about 10000 feet. Flowers dull blue-purple.

Swertia perennis L.

Swertia (35)

6078, August 29, 1957

In open pine woods on steep rocky slope along one fork of Rock Creek, about 1½ miles east of Glacier Lake, about 22 miles southwest of Red Lodge, Carbon Co., Mont. Twp. 9 S., R. 18 E., about S. 28. Elev. 9100-9500 feet. Flowers pale lavender.

Arabis microphylla Nutt. var. saximontana Rollins

Arabis (1c)

8099 - August 9, 1955

Same place as 8098.

Flowers yellow.

✓

Draba aurea Vahl

confirmed by C. L. Hitchcock, 1955

8100 August 9, 1955

In open pine woods along and fork of Rock Creek, about 2 miles east of Glacier Lake, about 22 miles southwest of Red Lodge, Carbon Co., Mont. Twp. 9 S., R. 18 E., about S. 27-28. Elev. about 9500 feet. Plants in large tufts, not sod-forming, the rhizomes few and with upturned tips.

Poa nervosa (Hook.) Vasey
det. D. D. Keck ✓

Poa (27)

8/01 - August 9, 1965

Same place as 8100. ✓

Plants tufted, without long, creeping rhizomes.

Carex rossii Boott

Carex (35)

B'd August 7, 1935

In granitic hill fields along south fork of Rock Creek, about 2½ miles northeast of Glacier Lake, about 23 miles southwest of Red Lodge, Carbon Co., Mont. Twp. 9 S., R. 18 E., about S. 27. Elev. about 9500-10 000 feet. Rays 5-10.

Arnica latifolia Bong. var. gracilis (Ryd.) Cronq.

5022

Arnica L. "gracilis" (31)

8103 - Aug. 10, 1955

Open, gentle, grassy slopes immediately adjacent to the Wyoming State line, 25 miles southwest of Red Lodge, Carbon Co., Mont. Twp. 9 S., R. 19 E., S. 32. Alt. 10,400 feet. Flowers yellow. Height and habit as usual.

Bupleurum americanum C. & R.

1 August 10 - 15

Same place as B 103.

Plants producing short offsets, this tending to become clustered, but the connection soon disintegrating. Flowers variable, more or less strongly marked, especially outside, with purple and green or yellow.

Gentiana algida Pall.

Gentiana algida (35)

8105 - August 11, 1955

In low ground in mixed coniferous woods on subalpine ridge overlooking Lizard Creek near Nye, Stillwater Co., Mont. T 7 S R 15 E. Elev. about 7600 feet. Flowers white, tinted with green and (sometimes) pink. Leaves [illegible] basal [illegible].

Pyrola dentata Sm. ?

(8)

Pyrola

8106 - August 11, 1955

Open placer in
Rodgers Pine area
on ultrabasic rocks
above Chrome mine near
Alice, Stillwater Co.,
Mont. Twp. 4S. R. 15E.
Elev. about 7400 feet.

Solidago - narrow leaf.

(9)

Solidago - narrow

8107 - August 11, 1955

In lodgepole and mixed coniferous woods on ultrabasic rocks above Chrome mine near Nye, Stillwater Co., Mont. T. 7 S., R. 15 E. Elev., about 7800 feet.

Solidago spathulata DC.
ssp. oparella
var. neomexicana (Greene) Cronq.
Solidago spathulata, radiata
var. nana (Gray) Cronq.

(12)

Solidago spathulata

8105 - August 12, 1935

Low grassy table,
Granitic talus just
below Sundance Pass,
bordering September
Moon Lake, Beartooth Mts
west of Red Lodge, Carbon Co,
Mont. Twp. T. 8 S.,
R. 18 E., S. 30. Elev.
about 10,500 - 11,000 feet.
Plants in loose,
freely rhizomatous - branching
clusters, eventually con-
nected to (but not dependent
on) a stouter root. Rays
white or nearly so.

Erigeron flabellifolius Rydb.

Erigeron flabellifolius

8109 – August 12, 1955

Rocky places near stream just below Lightning Mountain Lake; Beartooth Mts. west of Red Lodge, Carbon Co., Mont. Twp. 8S., R. 18E., S. 32. Elev. 9750 feet. Heads yellow; rays mostly about 8.

Senecio triangularis Gray

Wilkin

Flowering branches (5)

6119 - August 15 19..

In brushy, mixed coniferous woods about ½ mile west of Elbow Lookout; eastern foothills of the Mission Mts. about 80 miles northeast of Missoula, Missoula Co., Mont. Twp. 19 N., R. 17 W, near section-corner 15, 16, 21, 22. Elev. about 5000 feet. Corolla white or partly pinkish, with yellow palate.

Melampyrum lineare Desr.
var. lineare

D. [illegible] 35

8111 – August 15, 1953

Moist places along Glacier Creek, in mixed coniferous woods; eastern foothills of the Mission Mts., about 80 miles northeast of Missoula, Missoula Co., Mont. Elev. about 5000 feet. Twps. 19 N., R. 17 W., S. 29-30. Flowers blue-white.

Prenanthes sagittata (Gray) A. Nels.

5196 Prenanthes (9)

Bill Foster
Mine Lease.